

Dr. Rolf Reichle

Dr. Rolf H. Reichle received a Ph.D. in Environmental Engineering (2000) from the Massachusetts Institute of Technology (MIT), Cambridge, MA, and a MS in Physics (1996) and a BS in Mathematics (1992) from the University of Heidelberg, Germany. His Ph.D. thesis is on the optimal assimilation of remote sensing data for land surface hydrology applications. In 2001 he joined the Goddard Earth Sciences and Technology (GEST) Center at the University of Maryland, Baltimore County, as a member of the research faculty and began working in close collaboration with researchers at the NASA Goddard Space Flight Center. Dr. Reichle received the Outstanding Performance Award of the NASA Global Modeling and Assimilation Office (GMAO) in 2004 for his leadership in developing, organizing, and coordinating the land assimilation activities within the GMAO and with collaborators at Goddard, and again in 2005 for his groundbreaking research on soil moisture data assimilation. In 2005, Dr. Reichle was promoted to the rank of Associate Research Scientist. From 2005 to 2007, Dr. Reichle served as Faculty Group Leader for the GEST Hydrological Sciences faculty group. In 2008 Dr. Reichle joined the GMAO as a NASA employee and continues to work on land data assimilation. His main research interests are land data assimilation development and the application of land data assimilation to seasonal climate and weather forecasting. Dr. Reichle's publications include papers on global soil moisture data, land data assimilation, seasonal climate predictability, and on groundwater contaminant transport.